In the Claims:

- 1. (Currently Amended) A pixel-based electronic display comprising a plurality of <u>independently controllable</u> pixels, wherein said <u>independently controllable</u> pixels respectively comprise <u>a plurality of disassociated</u> dots of light emitting diode material.
- 2. (Original) The pixel-based electronic display of claim 1, wherein said pixels are arranged as segments of at least one seven-segment numeric display.
- 3. (Original) The pixel-based electronic display of claim 1, wherein said light-emitting diode dots are bonded to at least one underlying PCB.
- 4. (Original) The pixel-based electronic display of claim 4, wherein said light emitting diode dots are wire-bonded to said at least one underlying PCB.
- 5. (Original) The pixel-based electronic display of claim 2, wherein all of said pixels in any one of said segments are commonly wired.
- 6. (Original) The pixel-based electronic display of claim 1, wherein said light emitting diode dots are of a thickness not exceeding 200 microns.
- 7. (Original) The pixel based electronic display of claim 3, wherein said underlying PCB is of a thickness not exceeding 200 microns.

- 8. (Original) The pixel based electronic display of claim 3, wherein said underlying PCB is of a thickness not exceeding 150 microns.
- 9. (Original) The pixel-based electronic display of claim 1, wherein said pixels are configured to provide a brightness of substantially 4Cd/cm² at a power of substantially 1.5mA.
- 10. (Original) The pixel-based electronic display of claim 6, wherein said pixels are configured to provide a brightness of substantially 4Cd/cm² at a power of substantially 1.5mA.
- 11. (Original) The pixel-based electronic display of claim 1, incorporated into a smart card.
- 12. (Original) The pixel-based electronic display of claim 11, associated with a thin flexible battery within said smart card.
- 13. (Original) The pixel-based electronic display of claim 1, associated with at least one pressure sensor based input device.
- 14. (Currently Amended) A thin computing device comprising electronic processing functionality and a display screen, wherein said display screen is a pixel-based display screen comprising a plurality of <u>independently controllable</u> pixels, wherein said pixels respectively comprise <u>a plurality of disassociated</u> dots of light emitting diode material.

- 15. (Original) The thin computing device of claim 14, further comprising a thin flexible battery for powering at least said display screen.
- 16. (Original) The thin computing device of claim 14, wherein said display screen comprises a plurality of segments, each segment comprising a plurality of pixels wired together.
- 17. (Original) The thin computing device of claim 14, wherein said pixels are arranged as segments of at least one seven-segment numeric display.
- 18. (Original) The thin computing device of claim 14, wherein said lightemitting diode dots are bonded to at least one underlying PCB.
- 19. (Original) The thin computing device of claim 19, wherein said light emitting diode dots are wire-bonded to said at least one underlying PCB.
- 20. (Original) The thin computing device of claim 17, wherein all of said pixels in any one of said segments are commonly wired.
- 21. (Original) The thin computing device of claim 14, wherein said light emitting diode dots are of a thickness not exceeding 200 microns.
- 22. (Original) The thin computing device of claim 18, wherein said underlying PCB is of a thickness not exceeding 200 microns.

- 23. (Original) The thin computing device of claim 18, wherein said underlying PCB is of a thickness not exceeding 150 microns.
- 24. (Original) The thin computing device of claim 14, wherein said pixels are configured to provide a brightness of substantially 4Cd/cm² at a power of substantially 1.5mA.
- 25. (Original) The thin computing device of claim 21, wherein said pixels are configured to provide a brightness of substantially 4Cd/cm² at a power of substantially 1.5mA.
- 26. (Original) The thin computing device of claim 14, further comprising at least one touch panel associated with said computing functionality for allowing a user to interact with said device.
- 27. (Original) The thin computing device of claim 14, further comprising timing circuitry associated with said display screen, for energy management of said display screen.
- 28. (Currently Amended) A method of manufacturing a flexible low power display comprising:

providing <u>independently controllable</u> pixels <u>dots of LED material</u>, <u>wherein</u> said independently controllable pixels respectively comprise a plurality of disassociated dots of light emitting diode (LED) material,

bonding said dots to a PCB having a backing material, and

removing said backing.

- 29. (Original) A method according to claim 28, wherein said providing pixel dots comprises using a masking procedure.
- 30. (Original) The method of claim 29, wherein said pixel dots comprise a layer not exceeding 200 microns of said LED material.
- 31. (Original) The method of claim 30, wherein said LED material is phosphide-doped Gallium arsenide.
- 32. (Original) The method of claim 28, wherein said PCB is of a thickness not exceeding 200 microns.
- 33. (Original) The method of claim 28, wherein said PCB is of a thickness not exceeding 150 microns.
- 34. (Original) The method of claim 28, wherein said backing layer is of a thickness of substantially 300 microns.
- 35. (Original) The method of claim 28, further comprising coating said display with a layer of epoxy resin.

- 36. (New) The pixel-based electronic display of claim 1, where at least one group of at least one of said dots of light is coated with a thin layer, so that light emitted from said group is displayed as a line.
- 37. (New) The pixel-based electronic display of claim 1, where at least one group of at least one of said dots of light is coated with a thin layer of light diffusing material, so that light emitted from said group is displayed as a line.
- 38. (New) The thin computing device of claim 14, where at least one group of at least one of said dots of light is coated with a thin layer, so that light emitted from said group is displayed as a line.
- 39. (New) The thin computing device of claim 14, where at least one group of at least one of said dots of light is coated with a thin layer of light diffusing material, so that light emitted from said group is displayed as a line.
- 40. (New) The method of claim 28, further comprising coating at least one group of at least one of said dots of LED material with a thin layer, so that light emitable from said group is displayable as a line.
- 41. (New) The method of claim 28, further comprising coating at least one group of at least one of said dots of LED material with a thin layer of light diffusing material, so that light emitable from said group is displayable as a line.